

ABSTRACT OF THE DISCLOSURE

Cancer cells can be efficiently transplanted by culturing cancer cells on a cell culture support surface-coated with a polymer, which shows a change in the hydration force in a temperature range of from 0 to 80°C, within a temperature zone wherein the polymer has a low hydration force, then heating the liquid culture medium to a temperature at which the polymer shows a high hydration force to thereby peel off the cancer cells, and transplanting the cancer cells into a definite site of a subject animal for transplantation.